BRUHATH BANGALORE MAHANAGARA PALIKE

Yalahanka ELECTRICAL DIVISION

PRE MEASUREMENT BOOK

Name of work :-Annual Maintenance and repairs of street lights in ward no 11 Package Y -11 of Yelahanka Zone.

Name of Contractror of nature of Agency:- M/s sri Lakshminarasimha Electricals

Job Code No:-011-22-000005

Ref no and Date of commencement of work:-:- EE/Ele/YZ//WO/000011 /22-23 Date:01/04/2022

Aggrement No & date:-

Measurement Book No: **Page No:**

Bill NO :- Bill NO :- 13th RA Bill **Bill Period : 01-12-2023 to 31-12-2023 (for 1 months)**

Sl. No.		Unit	Period in Months	Present Measurements		
				Qty	Tender Full Rate	Cost
1	Operation and Maintenance of street lighting system including replacement of damaged/ failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 36/40 W fluorescent tube light street lighting systems.	Each	1	29	57.12	1656.48
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 125 W HPMV light Park lighting systems.	Each	1	0	63.02	0.00
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 250W HPSV street light lighting systems.	Each	1	2527	84.95	214668.65
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents 400 watts HPSV street light/High Mast lighting systems.	Each	1	98	93.16	9129.68

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5	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 24 watt LED park lighting systems.	Each	1	24	73.33	1759.92
6	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed /fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 65 watt LED street light lighting systems.	Each	1	339	95.61	32411.79
7	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 90 watt LED street light lighting systems.	Each	1	0	114.80	0.00
8	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 110/120 watt LED streetlight lighting system	Each	1	0	131.29	0.00

9	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 150 watt LED street light /High mast lighting system		Each	1	0	155.95	0.00
10	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole.Upto 5Mtr street light pole.		Nos	-	50	550.00	27500.00
	1) Ganesha Layout Park	30					
	2) Lakkappa Layout Sri Balaji Layout Park	22					
	Total	**52**					
11	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole.8Mtr and above street light pole.		Nos	-	253	770.00	194810.00
	1)Singapura to Varadaraju Nagara	50					
	2)Srinidhikethana Layout	22					
	3)Gangamma Circle Airforce Gate	6					
	4) Airforce Gate to Kuvempu Nagara	30					
	5)Gangamma Circle to MS Palya	72					
	6)Airforce to Jum Jum Gate	24					
	7)MS Playa to Jelly Machine Circle	30					
	8)MS Playa to Vidhyaranyapura Road	7					
	9)Ramachandrapura	5					
	10)MS Palya Gully Road	7					
	11)Hosabalu Nagara	6					
	Total	**259**					
12	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) 100Amps 25kA. 3 POLE		Nos	-	0	4530.00	0.00
13	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop- Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.260mmx210mmx116mm		Nos	-	0	2054.00	0.00
14	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm		Mtrs	-	0	150.00	0.00

15	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct.6 sqmm to 16 sqmm			Mtrs	-	0	11.88	0.00
16	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.100 to 125Amps			Nos	-	8	7200.00	57600.00
	Pole Number	**Address**	**Nos**					
	SLNE/11/TC31/EXL/00/02/S	EXPRESS LAYOUT MAIN ROAD	1					
	NEW POLE	HV VALLEY PANEL BOX CLUB HOUSE BACK SIDE	1					
	SLNE/11/TC13/SG/00/01/04/S	2ND CROSS SAI GARDEN	1					
	NEW POLE	MS PALYA CRICAL HIMUST	1					
	NEW POLE	RAMCHANDRAPURA CRICAL HIMUST	1					
	SLNE/11/TC13/BL/02/00/09/S	2ND CROSS 2ND MAIN ROAD BALAJI LAYOUT	1					
	SLNE/11/TC13/GN/00/01/04/S	SRI GANESH LYOUT 1ST MAIN	1					
	SLNE/11/TC70/SB/08/00/13/S	8T D MAIN SRI NIDHI LAYOUT	1					
		Total	**8**					
17	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.			Each	-	8	4030.00	32240.00
	Pole Number	**Address**	**Nos**					
	NEW POLE	HVV VALLEY OPP WOODS APARTMENT	1					
	NEW POLE	HVV VALLEY CLUB HOUSE BACK SIDE	1					
	NEW POLE	RAMCHANDRAPURA CRICAL HIMUST	1					
	SLNE/11/TC113/GN/00/01/05/S	6TH MAIN 1ST CROSS GNESHA LAYOUT	1					
	SLNE/11/TC/MSP/00/10HM	MS PALYA CRICAL HIMUST	1					
	SLNE/11/TC40/SP/00/12HM	SINGAPURA KAVERI CIRCLE	1					
	NEW POLE	KUVEMPU NAGARA 7TH CROSS MARIYAMMA TEMPEL	1					
	NEW POLE	GANESHA LAYOUT PARK MS PALYA	1					
		Total	**8**					
18	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 50-63 Amps SP			Each		17	723.00	12291.00
	Pole Number	**Address**	**Nos**					
	SLNE/11/TC97/SP/MR/00/49/S	SINGAPORE BBMP OFFIC OPP	1					
	SLNE/11/TC39/01/01/03/S	18TH CROSS SHRINIKETH LAYOUT	1					
	SLNE/11/TC39/SNL/01/02/01/S	2ND CROSS SHRINIKETH LAYOUT	1					

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	SLNE/11/TC39/SNL/01/03A/01/S	3A CROSS SHRINIKETH LAYOUT	1					
	SLNE/11/TC39/SB/00/04/02/S	4TH CROSS SHRINIKETH LAYOUT	1					
	NEW POLE	5TH CROSS SHRINIKETH LAYOUT	1					
	SLNE/11/SP/06/00/02/S	SINGAPORE PARADIS 6TH MAIN ROAD	1					
	SLNE/11/TC12/NG/00/04/01/S	4TH CROSS NEW SAI GARDAN	1					
	NEW POLE	GANGAMMA CIRCLE AIR FORCE GATE	1					
	SLNE/11/TC64/SL/00/01/02/S	1ST MAIN SOMANNA LAYOUT	1					
	SLNE/11/TC123/SL/01/03/S	1ST MAIN NEAR SOMANNA LAYOUT	1					
	SLNE/11/TC55/SL/00/03/01/S	3RD MAIN NEAR SOMANNA LAYOUT	1					
	SLNE/11/TC141/HPN/00/01/04/S	1S CROSS HOSABALA NAGAR	1					
	SLNE/11/TC42/KVN/00/06/05/S	2ND STAGE KUVEMPU NAGARA OPP GANESH TEMPLE	1					
	SLNE/11/TC39/RP/00/10HM	RAMCHANDRA PUR BUSTAND	1					
	SLNE/11/TC43/KVN/03/00/05/HM	1ST STAGE KUVEMPU NAGARA OPP MARIYAMMA TEMPLE	1					
	SLNE/11/TC43/KVN/00/03/01/LED	1ST STAGE KUVEMPU NAGARA 5TH CROSS	1					
		Total	17					
	TOTAL Rs							259626.52
	Add GST 18 % = 12%+6% on item no 1-9					-12%	31155.18	228471.34
						18%	41124.84	**269596.18**
	Total Rs item no 10-18							324441.00
	Add GST 18 % on item no 10-18							58399.38
	TOTAL Rs							652436.56
	Fine imposed for non burning of street lights For the period of 1/12/2023 to 31/12/2023							3000.00
	As per street light agreement clause 2% will be deducted in monthly maintenance bill against the released scrap material							5391.92
	GRAND TOTAL							**644044.63**

CERTIFICATE

1.This is to certify that the work done is saticefactorily.

2.This is to certify that the bill amount calimed in this bill does not claimed in any of the previous bill.

Junior Engineer(Elec)
Yalahanka Division

Asst.Exe.Engineer(Elec)
Yalahanka Division